BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 15.00Lakhs

Name of Work:-Reconstruction of Anganawadi building in 3rd phase in Ward no-04

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Dismantling size stone masonry in cement mortor and stacking the size stone within a radious of 50 m and removing the debries to a distance up to 200m etc as per specifications and directions of the engineer in charge of the work.	Cum							
	1st footing for Long walls		2	7.40	0.40	0.35	2.07		
	Short walls		3	5.90	0.40	0.35	2.48		
			2	3.00	0.40	0.35	0.84		
	For compound wall		1	21.00	0.35	0.35	2.57		
	2nd footing for Long walls		2	7.40	0.50	0.40	2.96		
	Short walls		3	5.90	0.50	0.40	3.54		
			2	3.00	0.50	0.40	1.20		
	For compound wall		1	21.00	0.45	0.35	3.31		
							18.97	156.88	2976.01
	Basic Rate	148.00							
	Area Weightage @ 6%	8.88							
	Total	156.88							
2	Dismantling burnt brick masonry in Cement/lime/clay mortor and stacking the bricks within aradious of 50m and removing the debries to adistance up to 200m etc as per specifications and directions of the engineer incharge of the work.	Cum							
	Long walls		2	7.40	0.20	2.90	8.58		
	Short walls		3	5.90	0.20	2.90	10.27		
			2	3.00	0.20	2.90	3.48		
	For compound wall		1	21.00	0.15	1.50	4.73		
							27.06	142.04	3842.89
	Basic Rate	134.00							
	Area Weightage @ 6%	8.04							
	Total	142.04							
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1 (a) / 2.3.1 (P.5/1.2.1 PW, P & IWTD -SR 2014-15)	Cum							
	For Site Levelling		1	11.50	9.00	0.20	20.70		
							20.70	144.16	2984.00
	Basic Rate	136.00							
	Area Weightage @ 6%	8.16							
	Total	144.16							

2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15)	Cum							
	CCL		1	45.00	0.90	0.75	30.38		
	Footings:-F1		11	1.20	1.20	1.20	19.01		
	Sump		1	3.00	3.00	2.40	21.60		
	Sanitary line		1	20.00	0.45	0.75	6.75		
	For compound wall		1	21.20	0.60	0.60	7.63		
							85.37		
	Deductions for -F1		11	1.20	0.90	0.75	8.91		
							8.91		
							76.46	259.70	19855.00
	Basic Rate	245.00							
	Area Weightage @ 6%	14.70							
	Total	**259.70**							
3	KSRB 2.10. Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. specification No. KBS (P.6/1.2.17 PW, P & IWTD -SR 2014-15)	Cum							
	CCL		1	45.00	0.90	0.20	8.10		
							8.10		
	Deductions for -F1		11	1.20	0.90	0.20	2.38		
							2.38		
							5.72	2883.20	16503.00
	Basic Rate	2720.00							
	Area Weightage @ 6%	163.20							
	Total	**2883.20**							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 7.5 **withOPC** cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15)	Cum							
	CCL		1	45.00	0.90	0.15	6.08		
	Footings:-F1		11	1.20	1.20	0.15	2.38		
	For sump		1	3.00	3.00	0.15	1.35		
	For flogging		1	11.60	0.90	0.15	1.57		
	Back side		1	8.60	0.90	0.15	1.16		
	Varranda		1	8.60	3.00	0.15	3.87		
	Flooring forStore Room		1	3.00	2.40	0.10	0.72		

	Toilet		2	1.20	1.20	0.10	0.29		
	Kitchen		1	3.00	3.00	0.10	0.90		
	For compound wall		1	21.20	0.60	0.15	1.91		
							20.22		
	Deductions for -F1		11	1.20	0.90	0.15	1.78		
							1.78		
							18.44	4757.28	87734.00
	Basic Rate	4488.00							
	Area Weightage @ 6%	269.28							
	Total	**4757.28**							
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.6 PW, P & IWTD -SR 2014-15)	Cum							
	1st footing of CCL		1	45.00	0.75	0.20	6.75		
	For compound wall		1	21.20	0.60	0.20	2.54		
	2nd footing of CCL		1	45.00	0.60	0.35	9.45		
	For compound wall		1	21.20	0.50	0.35	3.71		
							22.45		
	Deductions for -C1		11	0.40	0.20	0.20	0.18		
	Deductions for -C1		11	0.40	0.20	0.35	0.31		
							0.48		
							21.97	3765.12	82720.00
	Basic Rate	3552.00							
	Area Weightage @ 6%	213.12							
	Total	**3765.12**							
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:5, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.9 PW, P & IWTD -SR 2014-15)	Cum							
	CCL		1	45.00	0.45	0.20	4.05		
	For compound wall		1	21.20	0.45	0.20	1.91		
							5.96		
	Deductions for -C1		11	0.40	0.20	0.20	0.18		
							0.18		
							5.78	**4458.36**	25778.00
	Basic Rate	4206.00							
	Area Weightage @ 6%	252.36							
	Total	**4458.36**							

7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.97/I.15.3 PW, P & IWTD SR2014-15)	Sqm							
	out side		1	31.00		0.20	6.20		
	For compound wall		1	21.20		0.20	4.24		
							10.44	**91.16**	952.00
	Basic Rate	66.00							
	Area Weightage @ 6%	5.16							
	Total	**91.16**							
8	KSRB 4-1.6 Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I 4.6 PW, P & IWTD -SR 2014-15)	Cum							
	CCL		1	45.00	0.45	0.10	2.03		
	For flogging		1	11.60	0.90	0.10	1.04		
	Back side		1	8.60	0.90	0.10	0.77		
	Varranda		1	8.60	3.00	0.10	2.58		
	Flooring forStore Room		1	3.00	2.40	0.10	0.72		
	Toilet		2	1.20	1.20	0.10	0.29		
	Kitchen		1	3.00	3.00	0.10	0.90		
	For sump		1	2.60	2.60	0.10	0.68		
	Sump coping concrete		2	3.00	0.20	0.10	0.12		
			2	2.60	0.20	0.10	0.10		
	For compound wall		1	21.20	0.45	0.10	0.95		
							10.18	**5228.98**	53226.00
	Basic Rate	4933.00							
	Area Weightage @ 6%	295.98							
	Total	**5228.98**							
9	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (P.6/I 2.10 PW, P & IWTD 2014-15)	Cum							
			Qty Vide Item No.2				**76.46**	**115.60**	8915.00
	Basic Rate	110.00							
	Area Weightage @ 6%	6.60							
	Total	**116.60**							
	KSRB 4.2.2 : Providing and laying in position **Reinforced cement concrete of**								

	mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisne @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15)	Cum							
	Footings -F1		11	1.20	1.20	0.30	4.75		
	Columns for -C1		11	0.40	0.20	5.00	4.40		
	Plinth beam		1	49.70	0.20	0.30	2.98		
	Lintel		1	45.00	0.20	0.20	1.80		
	Tie Beam		1	49.70	0.20	0.30	2.98		
	Roof		1	6.40	6.10	0.15	7.78		
			1	3.40	1.50	0.15	0.77		
	For stair case Waiste slab		1	3.30	1.20	0.12	0.48		
			1	1.50	1.20	0.12	0.22		
	Steps		22x0.5	1.20	0.20	0.15	0.40		
	Sump slab		1	2.70	2.70	0.15	1.09		
							27.64	**5952.96**	**164526.00**
	Basic Rate	5616.00							
	Area Weightage @ 6%	336.96							
	Total	**5952.96**							
11	KSRB 4.9.2: **Providing T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No.19/ Item No.4.46/ PWDSR2014-15)	Qtl							
	Columns Footings		4.75	kg/cum	50.00		237.50		
	Columns		4.40	kg/cum	120.00		528.00		
	Plinth Beams		2.98	kg/cum	120.00		357.84		
	Lintels		1.80	kg/cum	90.00		162.00		
	Beams		2.98	kg/cum	120.00		357.84		
	Roof		7.78	kg/cum	100.00		777.60		
	Chajja		3.92	kg/sqm	40.00		156.80		
	For stair case		1.09	kg/sqm	150.00		163.08		
	Sump		1.09	kg/cum	100.00		109.36		
							2740.55		
							27.41	7759.20	212680.00
	Basic Rate	7320.00							

	Area Weightage @ 6%	439.20							
	Total	**7759.20**							
12	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.5.2 (P.14/I.4.28 PW, P & IWTD --SR 2014-15)	Sqm							
	Footings:-F1	4	11	1.20		0.30	15.84		
	Basic Rate	219.00					**15.84**	**232.14**	3677.00
	Area Weightage @ 6%	13.14							
	Total	**232.14**							
13	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.32 PW, P & IWTD --SR 2014-15)	Sqm							
	Columns for -C1		11	1.20		5.00	66.00		
	Basic Rate	336.00					**66.00**	358.28	23646.00
	Area Weightage @ 6%	20.28							
	Total	**358.28**							
14	KSRB 4-6.7 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.15/I.4.34 PW, P & IWTD --SR 2014-15)	Sqm							
	Plinth		2	49.70		0.30	29.82		
	Lintel		2	45.00		0.20	18.00		
	Beam		2	49.70		0.30	29.82		
							77.64	255.46	19834.80
	Basic Rate	241.00							
	Area Weightage @ 6%	14.46							
	Total	**255.46**							
15	KSRB 4-6.2: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.5.2 (P.14/I.4.29 PW, P & IWTD-SR 2014-15)	Sqm							

	Roof		1	6.40	8.10		51.84		
			1	3.40	1.50		5.10		
	Sump		1	2.70	2.70		7.29		
	For stair case Waiste slab		1	3.30	1.20		3.96		
			1	1.20	1.20		1.44		
	Basic Rate	530.00					69.63	561.80	39118.00
	Area Weightage @ 5%	31.80							
	Total	**561.80**							
16	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.19 PW, P & IWTD --SR 2014-15)	Sqm							
	D		1	1.80	0.45		0.81		
	D1		2	1.20	0.45		1.08		
	D2		2	1.05	0.45		0.95		
	W		2	1.20	0.45		1.08		
							3.92	449.44	1760.00
	Basic Rate	424.00							
	Area Weightage @ 5%	25.44							
	Total	**449.44**							
17	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.37 PW, P & IWTD --SR 2014-15)	Sqm							
	D		1	1.80	0.45		0.81		
	D1		2	1.20	0.45		1.08		
	D2		2	1.05	0.45		0.95		
	W		2	1.20	0.45		1.08		
							3.92	265.00	1037.00
	Basic Rate	250.00							
	Area Weightage @ 6%	15.00							
	Total	**265.00**							
18	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P.24/I.5.27 PW, P & IWTD --SR 2014-15)	Sqm							
	CCL		1	45.00		3.00	135.00		
	Sump walls		1	11.50		2.60	30.15		

	Parapet wall		2	10.60		0.40	8.48		
	For compound wall		1	21.20		2.00	42.40		
							216.04		
	Deductions D		1	1.50		2.10	3.15		
	D1		3	0.90		2.10	5.67		
	D2		2	0.75		2.10	3.15		
	W		4	0.90		1.20	4.32		
	V		2	0.60		0.45	0.54		
	Columns for -Cl		11	0.40		5.00	22.00		
	Lintel		1	45.00		0.20	9.00		
	Tie Beam		1	49.70		0.30	14.91		
	Gate		1	2.00		2.00	4.00		
							66.74		
							149.30	975.20	145597.00
	Basic Rate	920.00							
	Area Weightage @ 6%	55.20							
	Total	**975.20**							
19	Providing and fixing RCC Slabs 5cms thick for wall shelves with 12mm and down size jelly cement concrete 1:1 1/2 :3 including CM 1:3 plaster finishing, curing etc., complete (excluding the cost of steel, fabrication and plastering charges).P 18 / 4.57.	Sqm							
	Roof		1	6.40	8.10		51.84		
			1	3.40	1.50		5.10		
							56.94	545.90	31084.00
	Basic Rate	510.00							
	Liftcharges	5.00							
		515.00							
	Area Weightage @ 6%	30.90							
	Total	**545.90**							
20	KSRB 7.9 Providing and fixing M.S. Grill work for windows and ventilators weighing 21kg/sqm using M.S Flats or M.S. Square roads or combination of M.S. flats and quare roads as per approved design drawing including cutting steel sections etc as per specifications.	Kg's							
	Staire case grill		2	3.30		0.80	5.28		
			2	1.20		0.80	1.92		
	Gate		1	2.00		2.00	4.00		
							11.20		
							235.20	98.58	23186.02
	Basic Rate	93.00							
	Area Weightage @ 6%	5.58							
	Total	98.58							

22	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (P.45/I.9.11 PW, P & IWTD --SR 2014-15)	Cum							
	D		1	7.80	0.15	0.100	0.12		
	D1		3	6.60	0.10	0.100	0.20		
	D2		2	6.00	0.10	0.075	0.09		
	W		4	4.60	0.10	0.075	0.14		
							0.55	105952.30	58274.00
	Basic Rate	99955.00							
	Area Weightage @ 6%	5997.30							
	Total	########							
23	KSRB 9.5-2 : Providing and fixing in position fully paneled Honne wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 150mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (P.46/I.9.15 PW, P & IWTD -SR 2014-15)	Sqm							
	D		1	1.50		2.10	3.15		
	D1		3	0.90		2.10	5.67		
	D2		2	0.75		2.10	3.15		
							11.97	4634.32	55473.00
	Basic Rate	4372.00							
	Area Weightage @ 6%	262.32							
	Total	**4634.32**							
24	KSRB 9-16.2 : Providing and fixing in position Honne wood fully paneled shutters for windows with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications (excluding cost of fixtures). Specification No. KBS 9.34 (P.48/I.9.44 PW, P & IWTD --SR 2014-15)	Sqm							
	W		4	0.90		1.20	4.32		
							4.32	4885.54	21106.00
	Basic Rate	4609.00							
	Area Weightage @ 6%	276.54							
	Total	**4885.54**							

25	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I S 7452:1990, 4 Nos. of hold fasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 /	Sqm							
	V		2	0.60		0.45	0.54	3298.72	1781.00
	Basic Rate	3112.00							
	Area Weightage @ 6%	186.72							
	Total	**3298.72**							
26	KSRB 9-27.1 : Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. (P.51/I.9.80 PW, P & IWTD -SR 2014-15)	Nos							
	D		1				1.00		
	D1		3				3.00		
	D2		2				2.00		
							6.00	1019.72	6118.00
	Basic Rate	962.00							
	Area Weightage @ 6%	57.72							
	Total	**1019.72**							

27	KSRB 9-27.2 : Fixing of window frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m including cost of materials, labour charges, complete as per specifications. (P.51/I.9.61 PW, P & IWTD -SR 2014-15)	Nos							
	W		4				4.00		
							4.00	690.06	2760.00
	Basic Rate	551.00							
	Area Weightage @ 6%	39.06							
	Total	**690.06**							
28	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/I.15.21 PW, P & IWTD -SR 2014-15)	Sqm							
	Ceiling Plastering:- For Hall		1	6.00	4.50		27.00		
	store		2	2.40	2.40		11.52		
	Kitchen		1	3.30	4.30		14.19		
	Toilet		2	1.20	1.20		2.88		
	For stair case Waiste slab		1	3.30	1.20		3.96		
			1	1.20	1.20		1.44		
							60.99	183.38	11184.00
	Basic Rate	173.00							
	Area Weightage @ 6%	10.38							
	Total	**183.38**							
29	KSRB 15-3.7 : Providing 18mm thick cement plastering single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.97-98/I.15.15 PW, P & IWTD --SR 2014-15)	Sqm							
	Inside plastering		2	6.00		3.00	36.00		
			2	4.50		3.00	27.00		
	Store		2	3.00		3.00	18.00		
			2	2.40		3.00	14.40		
	Kitchen		4	3.00		3.00	36.00		
	Sump walls		4	2.50		2.70	26.08		
	Toilet walls		2	4.80		2.10	20.16		
							179.64		
	Deductions D		1	1.50		2.10	3.15		

	D1		3	0.90		2.10	5.67		
	D2		2	0.75		2.10	3.15		
	W		4	0.90		1.20	4.32		
	V		2	0.60		0.45	0.54		
							16.83		
							162.81	233.20	37967.00
	Basic Rate	220.00							
	Area Weightage @ 6%	13.20							
	Total	**233.20**							
30	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.99/I.15.33 PW, P & IWTD --SR 2014-15)	Sqm							
			Qty Vide Item No. 28+29				**223.80**	21.20	4745.00
	Basic Rate	20.00							
	Area Weightage @ 6%	1.20							
	Total	**21.20**							
31	KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry including rounding off corners wherever required smooth rendering, . Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/I.15.18 PW, P & IWTD --SR 2014-15)	Sqm							
	Outside plastering		2	6.40		3.60	46.08		
			2	8.10		3.60	58.32		
			2	1.50		3.60	10.80		
	Parapet		1	32.00		0.60	19.20		
	For compound wall		2	21.20		2.10	59.04		
							223.44		
	Deductions D		1	1.50		2.10	3.15		
	D1		2	0.90		2.10	3.78		
	D2		1	0.75		2.10	1.58		
	W		6	1.20		1.20	8.64		
	W1		2	0.90		1.20	2.16		
	V		2	0.60		0.45	0.54		
	Gle		1	2.00		2.00	4.00		
							23.85		
							199.60	249.10	49719.00
	Basic Rate	235.00							
	Area Weightage @ 6%	14.10							
	Total	**249.10**							
32	Providing and laying flooring using prepolished, water cut / gang saw 19mm thick using grey granite laid over existing floor in CM 1:4 at 20mm thick (average) and pointed with white / grey pigment etc., complete (P.94/I.14.47.1 PW, P & IWTD --SR 2014-15)	Sqm							
	Hall		1	6.20	4.70		29.14		
	Store		1	3.20	2.60		8.32		
	Kitchen		1	3.00	3.00		9.00		
							46.46	2647.88	123021.00

	Basic Rate	2498.00							
	Area Weightage @ 6%	149.88							
	Total	**2647.88**							
33	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer (P.101/I.15.51.2 PW, P & IWTD --SR 2014-15)	Sqm							
			Qty Vide Item No. 30				223.80	63.60	14234.00
	Basic Rate	80.00							
	Area Weightage @ 6%	4.80							
	Total	**84.80**							
34	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications - with primer (P.102/I.15.53.2 PW, P & IWTD --SR 2014-15)	Sqm							
			Qty Vide Item No. 31				199.60	79.50	15868.00
	Basic Rate	75.00							
	Area Weightage @ 6%	4.50							
	Total	**79.50**							
35	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and/or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (P.103/I.15.60.1 PW, P & IWTD -SR 2014-15)	Sqm							
	D	2.25	1	1.50		2.10	7.09		
	D1	2.25	3	0.90		2.10	12.75		
	D2	2.25	2	0.75		2.10	7.09		
	W	2.25	4	0.90		1.20	9.72		
	V	2.25	2	0.60		0.45	1.22		
							37.87	82.68	3131.00
	Basic Rate	78.00							
	Area Weightage @ 6%	4.68							
	Total	**82.68**							

36	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. (P.42/I.8.16 PW, P & IWTD --SR 2014-15)	Mtr							
			4	3.00			12.00	418.70	5024.00
	Basic Rate	395.00							
	Area Weightage @ 6%	23.70							
	Total	**418.70**							
37	KSRB 14.14-2: Providing colour glazed tiles all sizes 10mm thick for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, curing complete as per specifications. Specification No. KBS 14.15.2 (P.93/I.14.33 PW, P & IWTD -SR -SR 2014-15)	Sqm							
	Toilet walls		2	4.80		2.10	20.16		
	(-)Deductions		2	0.75		2.10	3.15		
							17.01	835.28	**14208.00**
	Basic Rate	788.00							
	A.W. @ 6%	47.28							
	Total	835.28							
38	Providing flooring with 60 cms.x 60 cms. size Vitrified glazed tiles of approved quality & make, fixed on top of existing flooring fixed with suitable adhesive, including cutting the tiles to the required size and fixing etc., complete. (P.94/I.14.44 PW, P & IWTD -SR 2014-15)	Sqm							
	Toilet flooring		2	1.20		1.20	2.88		
	(-)Deduction		2	0.60		0.45	0.54		
							2.34	1060.00	**2480.00**
	Basic Rate	1000.00							
	A.W. @ 6%	60.00							
	Total	**1060.00**							
39	Providing and fixing to wall, ceiling and floor high density polyethelene pipes 6.00 Kgf/sq.cm working pressure 110mm outside diameter with special flange compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications -SR 2014 15)	Mtr							
	Sanitary line		1	20.00			20.00		

						Total	20.00	599.96	11999.00
	Basic Rate	566.00							
	Area Weightage @ 6%	33.96							
	Total	599.96							
40	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2 2 / 13.3 (P.80/I.13.23 PW, P & IWTD --SR 2014-15)	Each							
			2				2.00		
							2.00	231.08	462.00
	Basic Rate	216.00							
	A.W. @ 6%	13.08							
	Total	231.08							
41	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.67/I.12.1 PW, P & IWTD -SR 2014-15)	Each							
			2	1.00			2.00		
							2.00	3571.14	7142.00
	Basic Rate	3369.00							
	A.W. @ 6%	202.14							
	Total	3571.14							
42	KSRB 13-11.1: Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification No. KBS 13.22 (P.83/I.13.78 PW, P & IWTD - SR 2014-15)	Nos							
			1				1.00	8851.00	8851.00
	Basic Rate	8350.00							
	A.W. @ 6%	501.00							
	Total	8851.00							

43	KSRB 13-1.3: Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 25mm dia nominal bore with fittings (medium grade weight 2.51kg/ mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No KBS 13.2.14 / 13.8 (P.79/I.13.3 PW, P & IWTD-SR 2014-15))	M							
			1	15.00			15.00	316.94	4754.00
	Basic Rate	299.00							
	A.W. @ 6%	17.94							
	Total	316.94							
44	KSRB7.1:Providingandfixinginpositioncollapsablesteelshutterswithsingleordoubleleafwithvertical channel20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stopers handles on borht sides with 7.5cms openings at 10cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery completeasperspecifications.(P35/7.1)	Sqm							
	CG		1	2.40		2.85	6.84		
							6.84	4581.32	31336.23
	Basic Rate	4322.00							
	A.W. @ 6%	259.32							
	Total	4581.32							
45	Providing and fixing 2 HP Pump Motor	Nos	1.00			1.00	10000.00		10000.00
	Electrifications								
46	Supplying and wiring adoptiong loop system in existing PVC conduit /casing caping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose legnth in a wood/PVC round block, complete for each outlet. (P.4/I.8.I.C) Electrical SR 2014-15	No							
	b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch		2				2	175.00	350.00
	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch		1				1	368.00	368.00

47	Supplying 6A flush /projected type socket and a 6 amps flush/projected type SP switch either surface mounting in a gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. (P.6/I.12a) Electrical SR - 2014-15	No	4				4	91.00	364.00
48	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. (P.4/I.6) Electrical SR - 2014-15								
	a) 4"x4"x3"	Each	2				2	44.00	88.00
	b) 12"x12"x3"		1				1	98.00	98.00
	c) 10"x7"x3"		2				2	68.00	136.00
49	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulated etc., and fixing on existing wooden or metal box using N.F. screws . (P.10/I.22) Electrical SR - 2014-15	S.Cm	1	60.00			60.00	0.22	13.00
50	Extra for groove cutting, plastering and colour washing for embedding PVC conduit/GI pipe and plastering finishing the wall upto wall surface complete upto 50mm conduit in brick in wall (P.3/I.7a) Electrical SR - 2013-14	Rmtr	1	60.00			60.00	14.00	840.00
51	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit. ... The pit should be filled with equal proportion of salt and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per IS1 specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia (P.68/I.2) Electrical SR - 2014-15.	Each	1				1	3000.00	3000.00
52	Supplying and fixing of porcelain fuse chanel with cut out on existing wooden/panel using ncessary nuts, bolts and washers etc complete (P.32/I.3a) Electrical SR - 2014-15.	Each	2				2	54.00	108.00

53	Supplying 20mm dia 2mm thick heavy guage PVC conduit pipe with suitable size bends, metal junction boxes, adhesive paste etc and running before concreting the slabs. The conduit should be tied to the reinforcement roads by using binding wire and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures and run with 18 SWG GI fish wire run throughout the conduit wherever necessary (P.2/I.2a) Electrical SR - 2014-15	Rmtr	1	80.00			80.00	32.00	2560.00
54	Supplying and fixing PBBC brass/Bakelite straight or slant batten holder and wiring, within 60W/230 Volts lamps. (P.13/I.12a) Electrical SR - 2014-15	No	4				4	60.00	240.00
55	Supply patty type fluorescent tube light fitting of 4 feet 40 watts fluorescent tube of 230 volts made of M.S. sheet and stove enameled with heavy duty polyfill aluminum choke, starter, locking type brass contact holders mounted on foldable type sheet base fully wired for use on 230 volts AC supply including 1 Nos 4'-36/40 watts fluorecent tube A Group (P.16/I.2a) Electrical SR - 2014-15	No	4				4	400.00	1600.00
56	Wiring for lighting / power circute using one of PVC insulated 1100v/grade multies and copper conductor single core cable in open or consealed system of wiring A Group materials 1.50 Sqmm materials (P.9/I.20Ib) Electrical SR - 2014-15	Rmtr	1	55.00			55.00	15.00	825.00
57	Supplying and running of GI / Copper conductor for grounding & (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts nuts and washers etc. (P.68/I.3Ic) Electrical SR - 2014-15 c) 40X6mm	Rmtr	1	12.00			12.00	221.00	2652.00
58	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required (P.36/I.12Ba) Electrical SR - 2014-15	No.	4				4	370.00	1480.00

59	Supplying capacitor type ceiling fan complete with down rod blades, shakle, regulator canopies etc., for operation on 230 volts, 50 cycles Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved (Almanord, Unique ISI, Anchor, Crompton, Khaitan, Bajaj, Usha, Johnson make) (P.23/I 23II a) Electrical SR - 2014-15	Nos	4			4	1900.00	7600.00
60	Fixing a ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (P.29/I.8) Electrical SR - 2014-15	Nos	4			4	105.00	420.00
61	Supplying and fixing 32mm dia class A GI pipe bracket upto 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. (P.28/I 12b) Electrical SR-2014-15	Nos	4			4	685.00	2740.00
62	Digging of trench of 0.6m deep x 0.50mtr wide refiling the trench to the required ground level and consolidating etc., complete. In Hard Soil (P.70/I.6b) Electrical SR - 2014-15	Rmtr	1	6.00		6	50.00	300.00
63	Miscelanious and Unforgen Charges	L/S						949.85
							Total RS	1500000.00
	(Rupees Fifteen lakhs Only)							

Fifteen Lakhs Only
P-24/15 - 2014-15
(I&F)
EE/HNK/TC/116/14-15 19-01-15 15.00 Lk

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

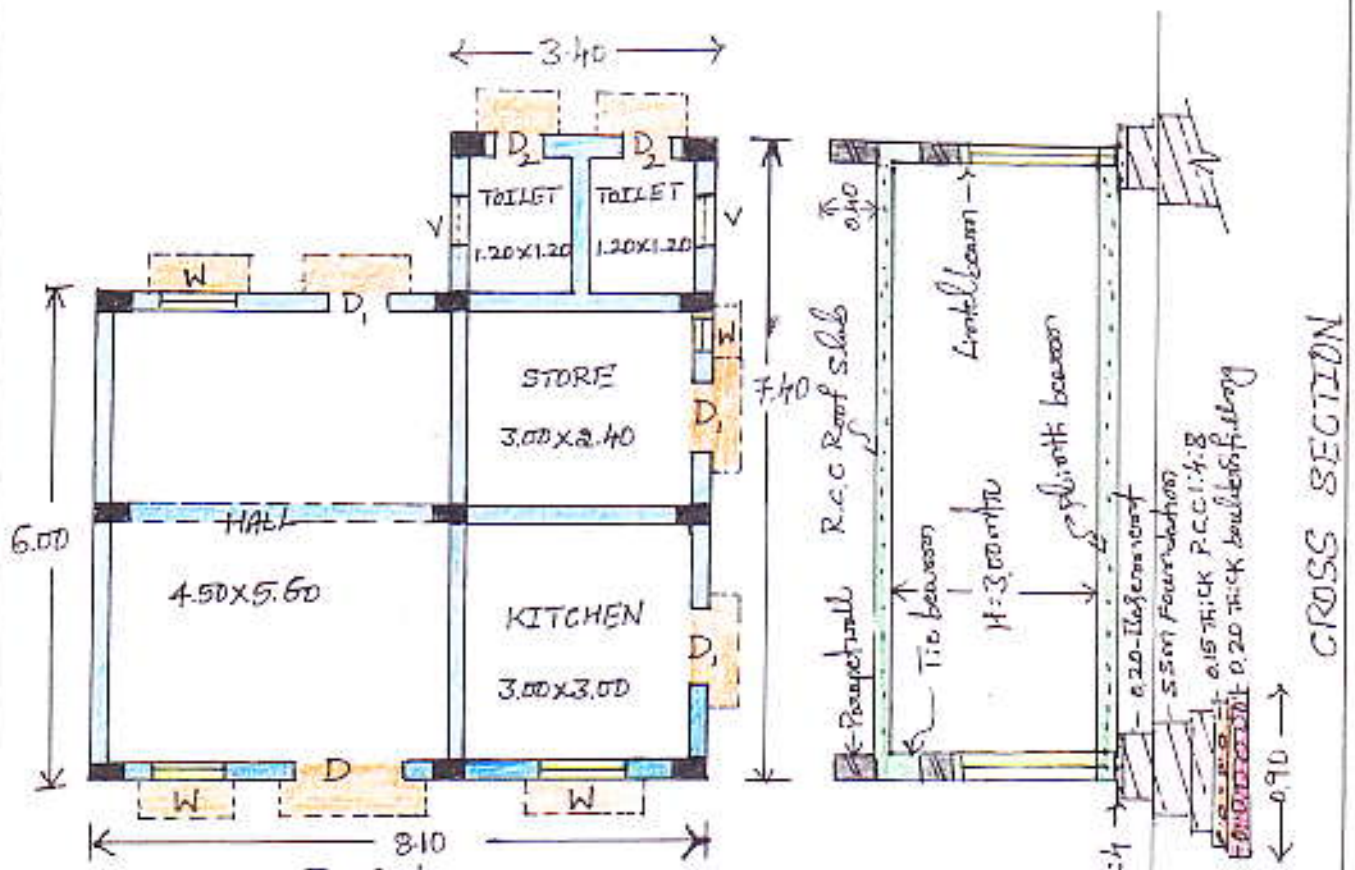
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka New Town Sub Division

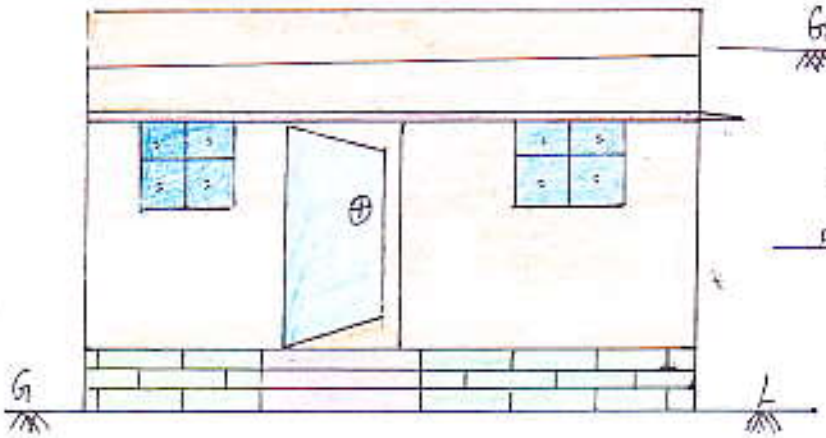
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

Administrative Approval
Accorded for Rs 15.00 lakhs
in accordance with
P-24/15
registered at Sl.No 102 Dt 19.01.15 Subject
to Conditions contained in enclosed memo
No..... Dt.....

AE/JE JE AE (RTS) EE (YNK)

Nature of work:- Reconstruction of Anganawadi building in 3rd phase in ward no-04





FRONT ELEVATION

INDEX
D:- 1X1.50X2.10
D_1:- 3X0.90X2.10
D_2:- 2X0.75X2.10
W:- 4X0.90X1.20
V:- 2X0.60X0.45
C:- 11X0.40X0.20

K.M Hallur
AE